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- phase and harmonic and parametric and "704"/\$.cccls. and @ad<"20000922"
- phase and harmonic and parametric and "704"/\$.cccls.
- phase and harmonic and "704"/\$.cccls.
- phase adj index and "704"/\$.cccls.
- phase and "704"/\$.cccls.
- BRS: phase and harmonic and "704"/221-223.ccls

**Pending**

**Active**

- L1: (17) phase and harmonic and parametric and "704"/221-223.ccls. and @ad<"20000922"
- L2: (68952) (transmit\$ same phase)
- L3: (379) (transmit\$ same phase) and "704"/\$.cccls.
- L4: (60) (transmit\$ same phase) and "704"/221-223.ccls.

**Failed**

- transmit\$ same phase and @ad<"20000922" and 704/221-223.ccls.
- (transmit\$ same phase) and @ad<"20000922" and 704/221-223.ccls.
- (transmit\$ same phase) and @ad<"20000922" and 704/221-223.ccls.
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BRS form

	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	S	C	P	S	C	P	US
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6785557 B2	20040831	6	Method of transmitting data, in particular GSM data	455/560	370/328; 370/523;	704/221	Mayer; Ralf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6772126 B1	20040803	55	Method and apparatus for transferring low bit rate	704/500	704/222	704/222	Simpson; Floyd et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6691092 B1	20040210	31	Voicing measure as an estimate of signal	704/265	704/205; 704/208;	704/223	Udaya Bhaskar; Bangalore R. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6691081 B1	20040210	15	Digital signal processor for processing voice messages	704/207	704/208; 704/214;	704/223	Huang; Jian-Cheng et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6687666 B2	20040203	68	Voice encoding device, voice decoding device, recording	704/207	704/220; 704/221	704/221	Ehara; Hiroyuki et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6608877 B1	20030819	12	Reduced complexity signal transmission system	375/377	704/219; 704/222	704/222	Wuppermann; Friedhelm et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
7	<input type="checkbox"/>	<input type="checkbox"/>	US 6556844 B1	20030429	7	Process for transmitting data, in particular GSM data	455/560	370/328; 370/523;	704/221	Mayer; Ralf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6549885 B2	20030415	69	Celp type voice encoding device and celp type voice	704/220	704/221; 704/225	704/221	Ehara; Hiroyuki et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6502069 B1	20021231	21	Method and a device for coding audio signals and a	704/219	704/220; 704/221	704/221	Grill; Bernhard et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
10	<input type="checkbox"/>	<input type="checkbox"/>	US 6496797 B1	20021217	22	Apparatus and method of speech coding and decoding	704/220	704/223	704/223	Redkov; Victor V. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
11	<input type="checkbox"/>	<input type="checkbox"/>	US 6493664 B1	20021210	31	Spectral magnitude modeling and quantization in a	704/222	704/221; 704/265	704/221; 704/222	Udaya Bhaskar; Bangalore R. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US

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**16 Pitch detection using the short-term phase spectrum**

*Charpentier, F.;*

Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '86. , Volume: 11 , Apr 1986

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**17 Analysis of voiced speech by means of bispectrum**

*Boyanov, B.; Hadjitodorov, S.; Ivanov, T.;*

Electronics Letters , Volume: 27 , Issue: 24 , 21 Nov. 1991

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[\[Abstract\]](#)   [\[PDF Full-Text \(180 KB\)\]](#)   IEEE JNL

**18 Co-channel speaker separation using constrained nonlinear optimization**

*Benincasa, D.S.; Savic, M.I.;*

Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE International Conference on , Volume: 2 , 21-24 April 1997

Pages:1195 - 1198 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(216 KB\)\]](#)   IEEE CNF

**19 Decomposition of speech signals into a periodic and non-periodic part based on sinusoidal models**

*Yannis, S.;*

Electronics, Circuits, and Systems, 1996. ICECS '96., Proceedings of the Third IEEE International Conference on , Volume: 1 , 13-16 Oct. 1996

Pages:514 - 517 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(336 KB\)\]](#)   IEEE CNF

**20 Decomposition of speech signals into a deterministic and a stochastic**

**part***Stylianou, Y.;*

Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Conference on , Volume: 2 , 3-6 Oct. 1996

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**21 Harmonic excitation LPC (HE-LPC) speech coding at 2.3 kb/s***Changchun Bao;*

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 1 , 6-10 April 2003

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**22 Shape invariant time-scale modification of speech using a harmonic model***O'Brien, D.; Monaghan, A.;*

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**23 IEEE Signal Processing Workshop on Higher-Order Statistics (Cat. No.93TH0539-7)**

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**24 A fast algorithm for generating sinusoids with polynomial phase***Marques, J.S.; Almeida, L.B.;*

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**25 Noise reduction using a soft-decision sine-wave vector quantizer***Quatieri, T.F.; McAulay, R.J.;*

Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., 1990 International Conference on , 3-6 April 1990

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**26 Co-channel speech separation based on sinusoidal model for speech***Zhao Heming; Zhou Xudong; Yu Yibiao;*

Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th International Conference on , Volume: 2 , 21-25 Aug. 2000

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**27 Pitch-congruent baseband speech coding**

*Arjmand, M.; Doddington, G.;*  
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**28 Time-variant least squares harmonic modeling**

*Qin Li; Atlas, L.;*  
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**29 A fourth-order stationarity and ergodicity conditions for harmonic processes**

*Blanco, D.; Ruiz, D.P.; Alameda-Hernandez, E.; Carrion, M.C.;*  
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